

IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application.

Claims 1-10 (cancelled)

11. (previously presented) A process for production of a drop forged part made of a metal alloy containing 80 wt. % or more Ti and/or Zr and/or Hf, wherein the drop forged part during deforming is:

heated within the range of 5-15 °C above the α / β phase boundary to form β phases and is subsequently cooled.

12. (previously presented) A process according to Claim 11, wherein said drop forged part is a moving part of a motor.

13. (previously presented) A process according to Claim 11, wherein said drop forged part is a connecting rod, crankshaft, camshaft or a valve.

14. (currently amended) A process according to Claim 11, wherein the drop forged part material is heated for 20-60 minutes.

15. (currently amended) A process according to Claim 11, wherein the drop forged part is subjected to a relaxation thermal treatment ~~occurs~~ at 600-700°C after cooling.

16. (previously presented) A process according to Claim 11, wherein the E-modulus and the rigidity of the Ti and/or Zr and/or Hf containing materials, or alloys thereof, are increased.

17. (previously presented) A process according to Claim 11, wherein the alloy is a titanium alloy containing 1-20 wt. % Zr and/or Hf and optionally incidental amounts of other light or heavy metals.

18. (previously presented) A process according to Claim 11, wherein the alloy is a titanium alloy containing 5-15 wt. % Zr and/or Hf and optionally incidental amounts of other light or heavy metals.
19. (previously presented) A process according to Claim 11, wherein the alloy is a titanium alloy containing 90 wt. % titanium.
20. (previously presented) A process according to Claim 11, wherein the alloy is a titanium alloy selected from Ti Al 6 V 4 and Ti Al 6 Fe₂ Si.
21. (previously presented) A process according to Claim 11, wherein an α / β micro structure or composite material is formed.
22. (previously presented) A process according to Claim 11, wherein the drop forge part after forging is slowly cooled in air.
- 23 - 25. (canceled)
26. (new) A process according to Claim 20, wherein said titanium alloy is Ti Al 6 V 4 or Ti Al 6 Fe₂ Si, and wherein said heating is to a temperature of 975°C - 990°C.
27. (new) A process according to Claim 11, wherein said titanium is pure titanium, and wherein said heating is at 887-897°C.